
Karnataka ReddyJana Sangha®

# VEMANA

## INSTITUTE OF TECHNOLOGY

(Approved by AICTE – New Delhi, Affiliated to VTU – Belagavi & Recognized by Govt. of Karnataka )


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Karnataka ReddyJana Sangha®
VEMANA INSTITUTE OF TECHNOLOGY
(Approved by AICTE – New Delhi, Affiliated to VTU – Belagavi & Recognized by Govt. of Karnataka )
Department of Computer Science and Engineering

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## SUPPORT OF

**Sri. H.N. Vijayaraghava Reddy**
Chairman, Governing Council
Vemana IT

**Dr. Vijayasimha Reddy B.G.**
Principal - Vemana IT

**Dr. T. Yella Reddy**
Dean R & D - Vemana IT

## VISION

To be a knowledgeable, student –focused empowered professional team that continually learns and improves its effectiveness in technology.

## MISSION

- To educate students in technology competencies by professionally committed faculty and staff
- To interact with industry and institute to enhance research in emerging areas.
- To produce professionals with ethics and societal values.

## PROGRAM SPECIFIC OUTCOMES (PSO's)

At the end of the program the student is able to:

- Analyze, design, implement and test innovative application software systems to meet the specified requirements.
- Understand and use systems software packages.
- Understand the organization and architecture of digital computers, embedded systems and computer networks.

## PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

After 3-4 years our graduates will be:

- Competent professionals in IT and ITES industries.
- Engage in research and development thus contributing to the society.
- Work effectively in multidisciplinary areas.

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# HOD Message

**M Ramakrishna**
Professor & Head

It gives me great opportunity to present the Newsletter. This issue explores the hidden talents, commitment, involvement and achievement of departmental students and Staff community towards extra and curricular activities. As you read through the pages you will realize, that the department had a particularly successful semester. It motivates, enlightens and enables the Student & Staff community to focus on their goals and achieve more. I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace.

## Department Toppers

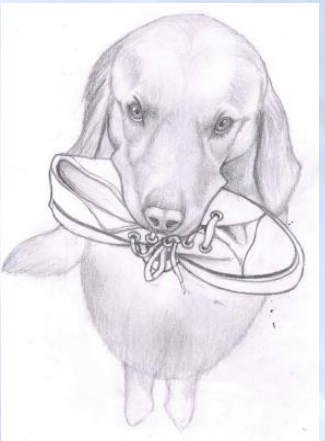
Obulakshmi O
1VI14CS079
2nd Sem

Arpitha T G
1VI13CS079
4th Sem

Arghya S Jain
1VI12CS012
6th Sem

Anjali
1VI12CS012
8th Sem

Art by
Sushmita G
(1VI15CS104)



**Technical Article on Cloud computing**
**by Nithin Kashyap A (1VI13CS063)**

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# BASICS OF CLOUD COMPUTING

## Deployment & Service Models

Cloud will provide the digital infrastructure of tomorrow's cities, where an estimated 6 billion of the world's population will live by 2045. Smart elevators and parking lots, driverless cars and drone taxis, trains and subways, farms and power plants -- all will be safer and better managed, thanks to the cloud's ability to store and analyze data.

The cloud will also be transformative for companies, especially small and mid-sized businesses, as data analytics, artificial intelligence and other capabilities become available as services. Because each industry has different needs, Huawei, a global tech company, is working on what we call the Industry Cloud: thousands of distinct, separate clouds, all working in concert across a digital ecosystem of different industry verticals. For example:

- A commercial aviation cloud will help airlines manage ground operations such as maintenance, fueling, baggage handling, and cabin cleaning, thereby increasing efficiency and helping flights take off on time.
- A utilities cloud will automatically repair faults in the power grid to ensure that homes and businesses get the electricity they need.
- A banking cloud will let financial institutions scan thousands of transactions per second to prevent fraud.

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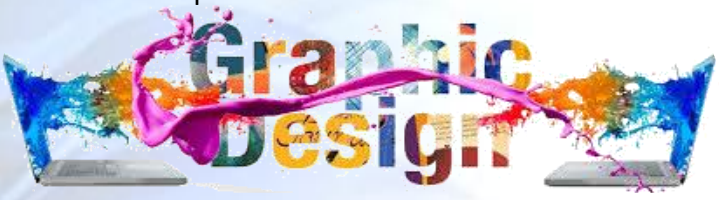
## Dr. K Chandrashekaran

Under the collaboration of CSI (Computer Society of India), department has organized guest lecture on 30th Nov 2015“. Dr. K Chandrashekaran, Professor & dean, NITK Suratkal was invited as resource person to provide guest lecture on “Object Oriented Programming Concepts”. Object-oriented programming aims to implement real-world entities like inheritance, data hiding, polymorphism, etc., in programming. The main aim of OOP is to bind together the data and the functions that operate on them so that no other part of the code can access this data except that function.




## Prof. K. Rajeswar Rao

Under the collaboration of CSI (Computer Society of India), department has organized guest lecture on 03rd Oct 2015“. Prof. K. Rajeswar Rao, Software Engineer Genesis Software was invited as resource person to provide guest lecture on “Internet of Things”. Internet of Things (IoT) is an ecosystem of connected physical objects that are accessible through the internet. The ‘thing’ in IoT could be a person with a heart monitor or an automobile with built-in-sensors, i.e. objects that have been assigned an IP address and have the ability to collect and transfer data over a network without manual assistance or intervention.

**Dr. S Ambareesh**
**Associate Professor Dept. of CSE**
**Editor-in-Chief , News letter**

Ranjith G Reddy
Student Coordinator, News letter
7th Semester, Dept. of CSE